

SECTION VIEW 'A'  
SCALE: N.T.S.

**PROJECT INFORMATION:**  
**SCOPE:**  
 The fire protection project consists of providing two dry sprinkler systems to serve a yacht storage and repair building. Boat storage shall not exceed 12'-0" from finished floor.

**WATER SUPPLY:**  
 There are two dry systems supplied by a 6" underground main connected to the public water supply. Two 4" FDC will be installed for use by the Fire Department.

**CONSTRUCTION TYPE:**  
 Construction type is "steel I beam construction with z joist covered by a Novashield II fabric."

**CODE REFERENCES:**  
 \*NFPA 13 2010 ed.

**SPECIAL INSTRUCTIONS TO INSTALLER:**  
 Install sprinkler heads within 22 inches of exterior fabric but within 1" to 6" of steel z joist

**SPRINKLER SYSTEM NOTES:**  
 \* DESIGN AND INSTALLATION SHALL CONFORM TO N.F.P.A. # 13 (2010), LOCAL FIRE AND BLDG. DEPTS.  
 \* HANGER INSTALLATION AND SPACING SHALL BE IN ACCORDANCE WITH N.F.P.A. #13  
 \* ALL EQUIPMENT TO BE UL LISTED FOR FIRE PROTECTION USE.  
 \* FIELD FOREMAN TO VERIFY LOCATION OF HIGH TEMPERATURE SPRINKLERS AND INSTALL HIGH TEMPERATURE SPRINKLERS IN ACCORDANCE WITH N.F.P.A. #13  
 \* IF REQUIRED, SLEEVES THROUGH WALLS AND FLOORS SHALL BE SCH. 10 LW. GALVANIZED AND PACKED WITH NONCOMBUSTIBLE, SMOKE PROOF, AND WATERPROOF FIRE SEALANT.  
 \* INSTALLING CONTRACTOR SHALL PROVIDE AUXILIARY DRAINS AT ALL LOW POINTS ON DRY SYSTEM.  
 \* PIPE 1-1/2" AND LARGER TO BE STEEL SCHEDULE 10 WITH GROOVED FITTINGS.  
 \* PIPE 1-1/4" AND SMALLER TO BE STEEL SCHEDULE 40 WITH SCREWED FITTINGS.



PROJECT SITE  
 SITE PLAN  
 SCALE: N.T.S.

REVISIONS:

NO.	DATE	DESCRIPTION:

SPECIAL APPLICATIONS:

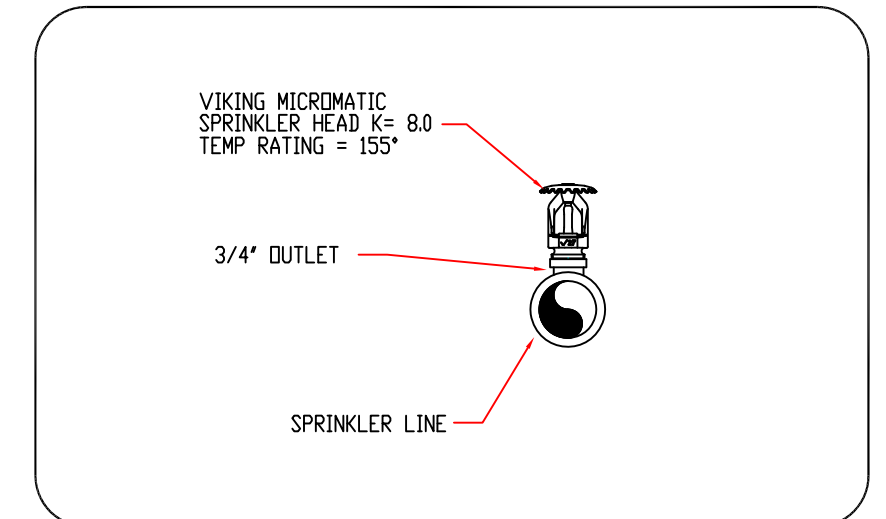
NO.	DESCRIPTION:

"VIKING" MICROMATIC STANDARD RESPONSE SPRINKLER MODEL #10141  
 190 155 8.0  
 3/4" BRASS UPRIGHT K=8.0  
 130 SQ. FT SPACING

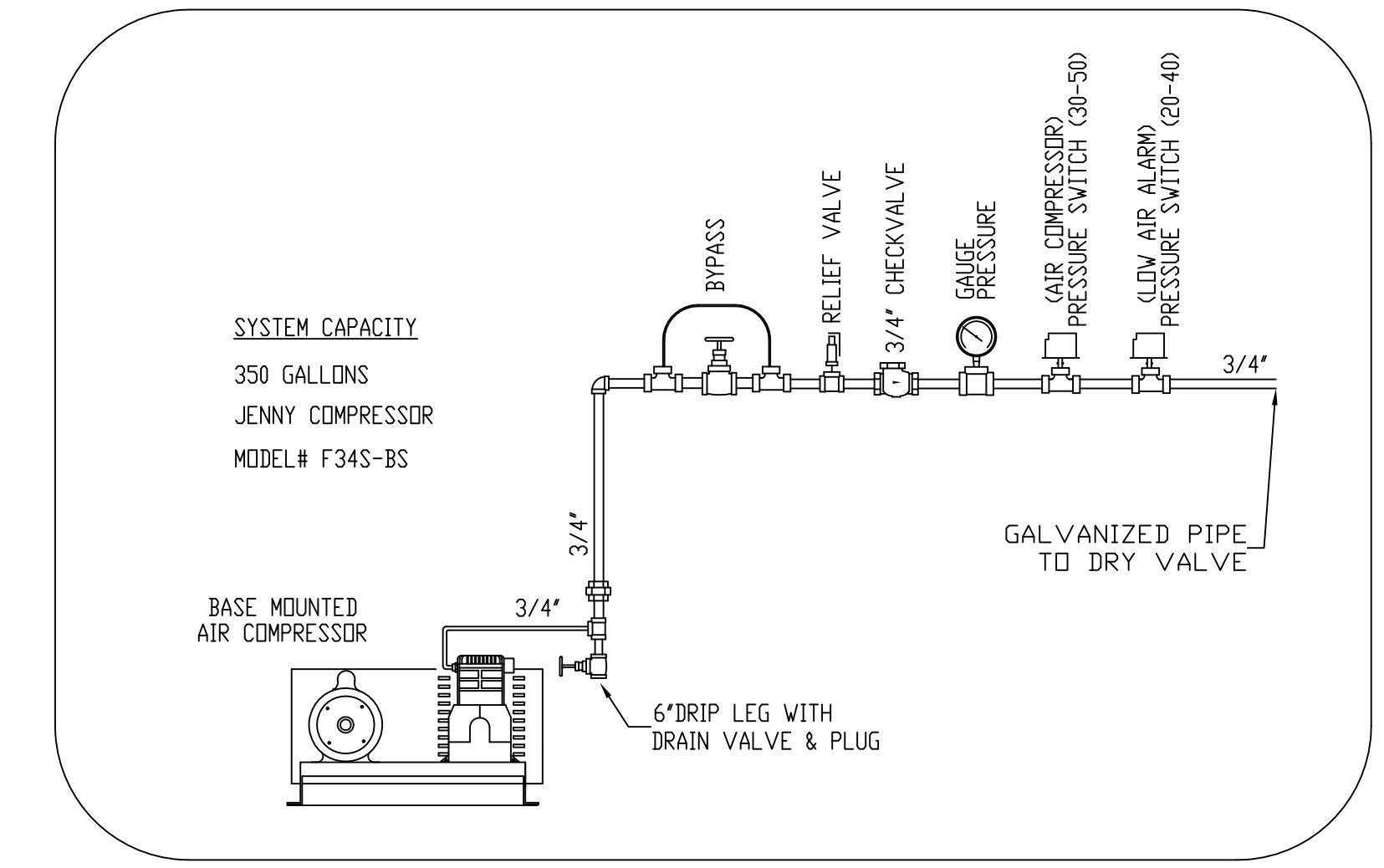
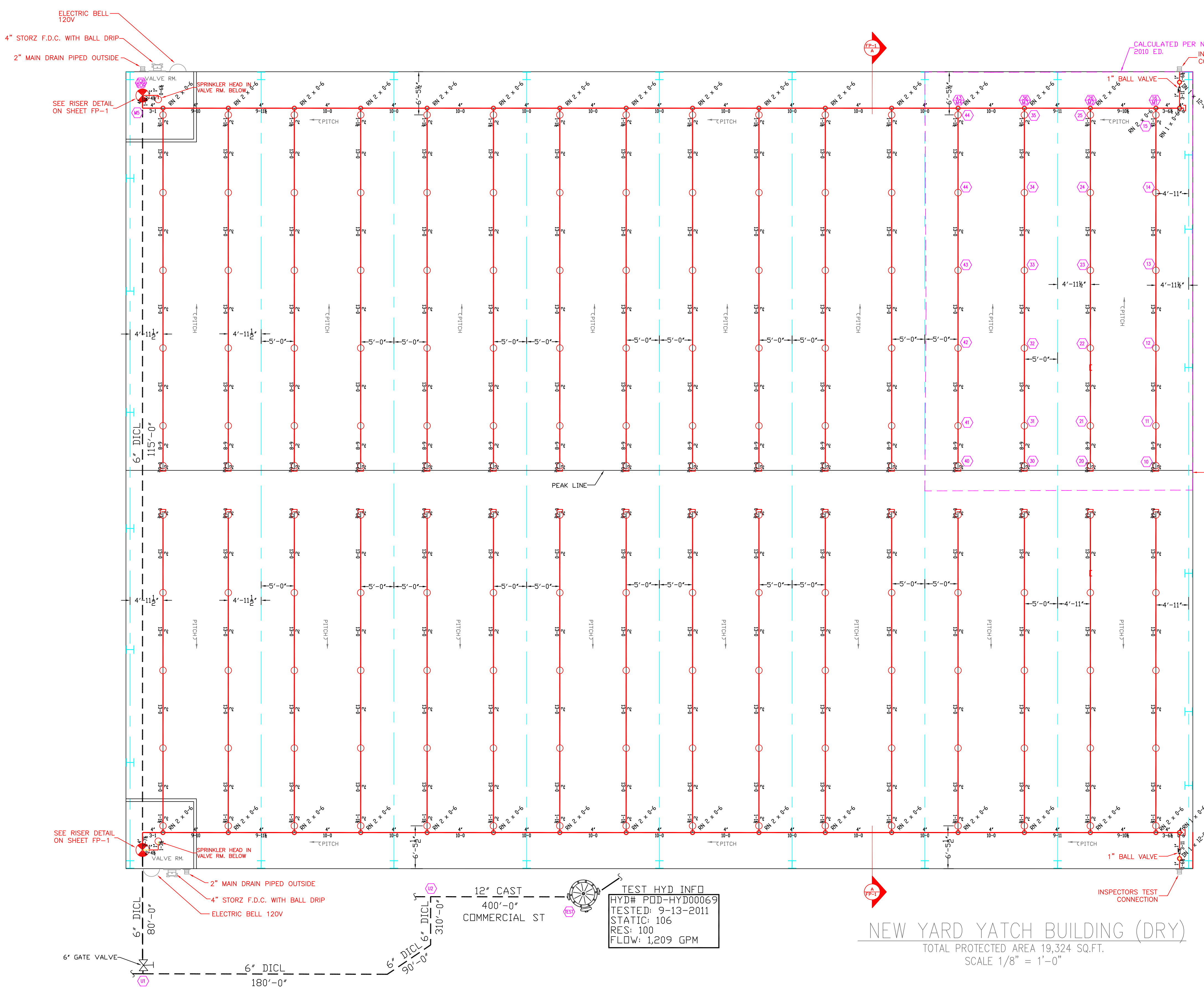
**HYD. DESIGN CRITERIA**  
 (NFPA 13 2010 ed. - DRY)

LOCATION=YATCH STORAGE & REPAIR BLDG.  
 HAZARD CLASSIFICATION: ORDINARY HAZARD (2)  
 DENSITY= .2 GPM/SQ.FT.  
 AREA OF OPERATION= 2535 SQ.FT.  
 INSIDE HOSE DEMAND: 0 GPM  
 OUTSIDE HOSE DEMAND: 250 GPM  
 NO. OF SPRINKLERS= 24

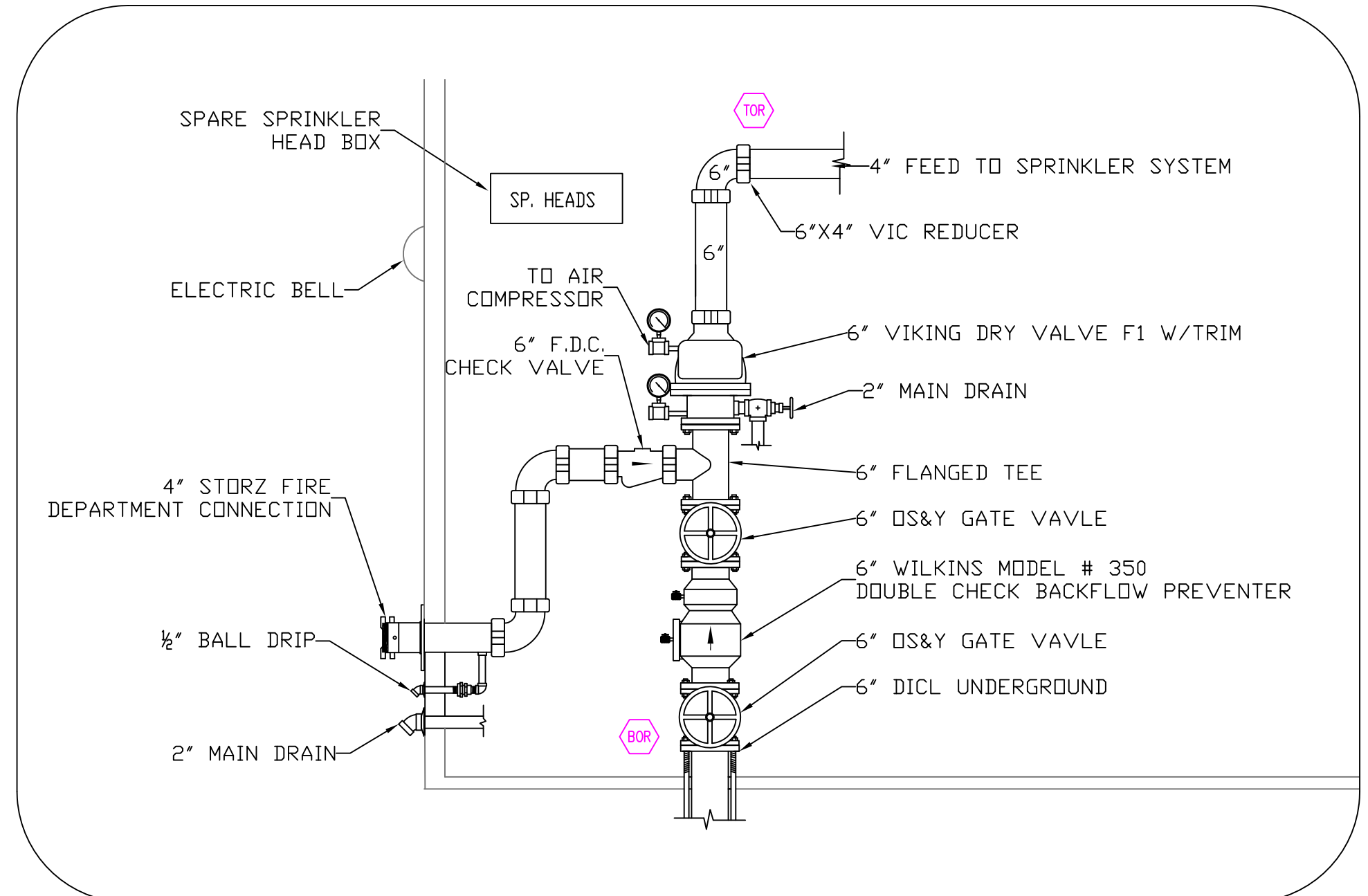
SYSTEM DEMAND (INCLUDING HOSE) @  
 BASE OF RISER= 1062-GPM 94-PSI  
 SAFETY MARGIN= 6.99-PSI



SPRINKLER HEAD DETAIL  
 SCALE: N.T.S.



AIR COMPRESSOR DETAIL  
 SCALE: N.T.S.



RISER DETAIL  
 SCALE: N.T.S.

**LEGEND:**

- ▲ SYSTEM RISER
- PITCH FOR DRY PIPE
- 1/4" FOR MAINS
- 1/2" FOR LINES
- HYDRAULIC CALC. POINT
- PROPOSED STEEL PIPING
- UNDERGROUND PIPING

**Contractor:**  
 Advanced Fire Protection Services, LLC  
 P.O. Box 81  
 Minot, Me 04258  
 207-513-6480

**Project:**  
 NEW YARD YATCH BUILDING PHASE #1

Project/Contract no.:  
 Scale: 1/8"=1'-0"  
 Drawn by: TMF  
 Date: 9/27/2013  
 Approval by: Fire Dept.

LOCATION:  
 40 WEST COMMERCIAL ST.  
 PORTLAND, ME 04101

**SHEET NUMBER**  
**FP-1**  
 OF 1

NOTE: USE OF THESE PLANS BY THE INSTALLING CONTRACTOR SHALL INDICATE ACCEPTANCE OF ALL THE INFORMATION PROVIDED ON THESE PLANS AND SHALL TRANSFER FINAL RESPONSIBILITY OF THE CORRECTNESS OF THE SYSTEM TO THE INSTALLING CONTRACTOR. ANY DESIGN ERRORS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.  
 NOTE: ADDITIONAL SPRINKLER HEADS OVER AND ABOVE THOSE SPECIFICALLY NOTED ON THESE DRAWINGS MAY BE REQUIRED DEPENDING ON THE REQUIRED ROUTING AROUND TRUSSES, HVAC DUCTWORK, HOODS AND OTHER SIMILAR OBSTRUCTIONS. FIELD VERIFY EXISTING CONDITIONS DURING CONSTRUCTION AND PROVIDE ANY AND ALL ADDITIONAL HEADS AS REQUIRED FOR FULL COVERAGE AND A COMPLETE, CODE COMPLIANT SYSTEM.